ORDER NO. SD83112667C8

Service Manual

Linear Phase Speaker System

SB-F44/ (K)

[E],[EG],[EK],[EF],
[EB],[EH],[Ei],[XA]

* The color of this model include silver and black.
* The black type model is provided with (K) in the Service Manual.

Areas

* [E] is available in Scandinavia and Switzerland.
* [EG] is available in F.R. Germany.
* [EK] is available in United Kingdom.
* [EF] is available in France.
* [EB] is available in Belgium.
* [EH] is available in Holland.
* [Ei] is available in Italy.
* [XA] is available in Southeast Asia, Oceania, Africa, Middle Near East and Central South America.

Specifications

(Specifications are subject to change without notice for further improvement.)

Type:	2 way 2 speaker bass-reflex system
Speakers:	Woofer: 16 cm (6-1/2"), cone type Tweeter: horn type
Impedance:	8 ohms
Input Power:	60 W, Music
Output Sound Pressure Level:	90 dB/W (1.0 m)
Crossover Frequency:	8,000 Hz
Frequency Range:	70 Hz ~ 25 kHz (−16 dB) 89 Hz ~ 23 kHz (−10 dB)
Dimensions:	18.4(W) x 29.4(H) x 19.3(D) cm 7-1/4"(W) x 11-9/16"(H) x 7-19/32"(D)
Weight:	2.5 kg (5.5 lb.)

CARACTERISTIQUES

(Sujet à changement sans préaris.)

Type:	2 voies, 2 haut-parleurs bass-reflex
Haut-parleurs:	graves: 16 cm, type à cône aigus: type à corne
Impédance:	8 ohms
Entrée maximale:	60 watts, musique
Niveau de pression sonore de sortie:	90 dB/W (1,0 m)
Fréquence de commutation:	8.000 Hz
Gamme de fréquences:	70 Hz ~ 25 kHz (−16 dB) 89 Hz ~ 23 kHz (−10 dB)
Dimensions:	18,4(L) x 29,4(H) x 19,3(P) cm
Poids:	2,5 kg

TECHNISCHE DATEN

(Spezifikationen können infolge von Verbesserungen ohne Ankindigung geändert werden.)

Typ:	2-Weg-System mit 2 Baßreflex-Lautsprechern
Lautsprecher:	Tieftonlautsprecher: 16 cm, Konustyp Hochtonlautsprecher: Trichtertyp
Impedanz:	8 Ohm
Belastbarkeit:	60 Watt Musik
Abgegebener Schalldruckpegel:	90 dB/W (in 1,0 m Abstand)
Überschneidungs-frequenz:	8.000 Hz
Frequenzbereich:	70 Hz ~ 25 kHz (−16 dB) 89 Hz ~ 23 kHz (−10 dB)
Abmessungen:	18,4(B) x 29,4(H) x 19,3(T) cm
Gewicht:	2,5 kg

ESPECIFICACIONES

(Estas especificaciones están sujetas a cualquier cambio sin previo eviso.)

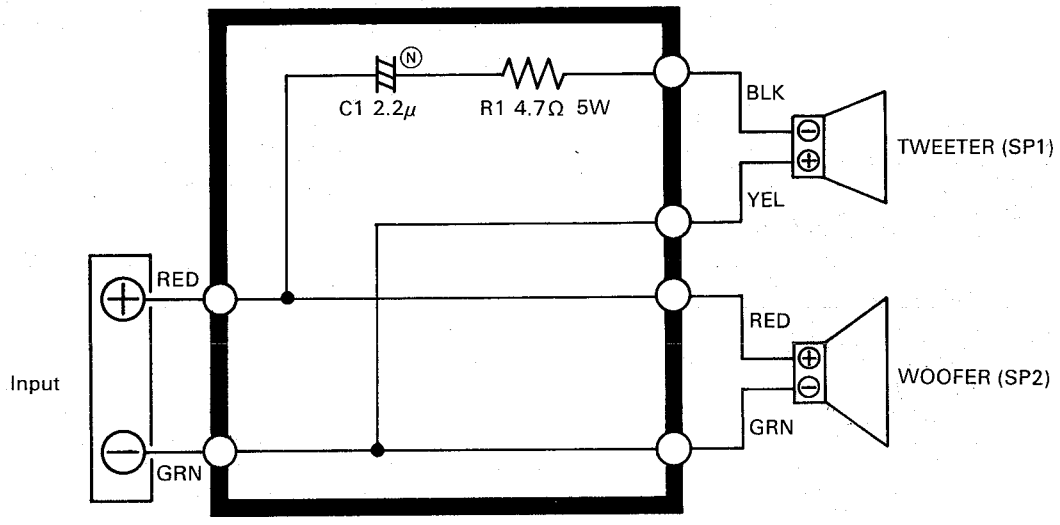
Tipo:	Sistema de reflexión de bajos con 2 altoparlantes bidireccionales
Altoparlantes:	"Woofer": tipo cónico, de 16 cm "Tweeter": tipo bocina
Impedancia:	8 ohmios
Capacidad de potencia:	60 W, música
Nivel de presión acústica de stalida:	90 dB/W (1,0 m)
Frecuencia de cruce:	8.000 Hz
Alcance de frecuencia:	70 Hz ~ 25 kHz (−16 dB) 89 Hz ~ 23 kHz (−10 dB)
Dimensiones:	18,4(ancho) x 29,4(alto) x 19,3(prof.) cm
Peso:	2,5 kg

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

■ SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)



■ SERVICING METHOD

- **How to remove the punching net (Fig. 1)**

  Note: Usually, the punching net is not removed, but when servicing, remove the punching net as follows.

  1. Carefully remove the punching net from the cabinet in the direction indicated by the arrow, strongly. (See Fig. 1.)

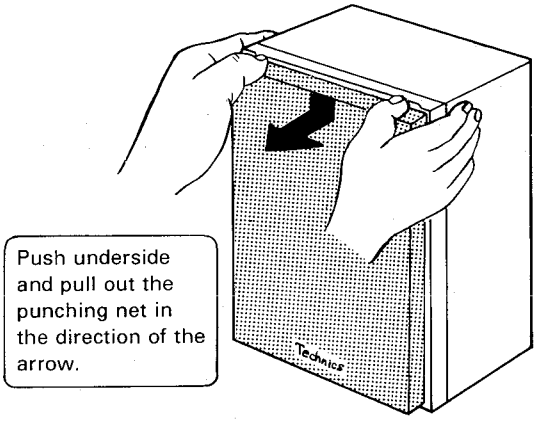


Fig. 1.

- **How to remove the woofer and the tweeter**

  1. Remove the punching net. (Refer to "How to remove the punching net".)
  2. Remove the 6 setscrews (**Fig. 2: ❶~❻**).

     Note: Do not remove the decoration setscrews which belonging to the tweeter.
  3. Remove the baffle.
  4. Then remove the woofer and the tweeter from backward of the baffle (Refer to "EXPLODED VIEW" on page 3.)

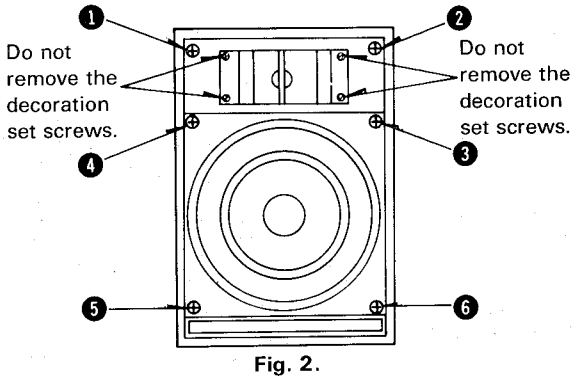


Fig. 2.

■ ATTACHMENT TO A WALL

Attaching wall brackets to the speaker boxes

1. Determine the mounting position for each bracket in the upper center portion of the rear panels. Then, drill starting holes for the mounting screws about 5 mm (3/16") deep. Attach the brackets securely, using small wood screws (included), as shown in Fig. 3.
2. As shown in Fig. 4, screw the large wood screw (included) into a **thick and hard part of the wall, leaving 6 or 8 mm (1/4" or 5/16") of the screw projecting** from the wall surface.

(The wall or pillar on which the speaker systems are to be attached should be capable of supporting a weight of 20 kilograms (44.1 lb.).

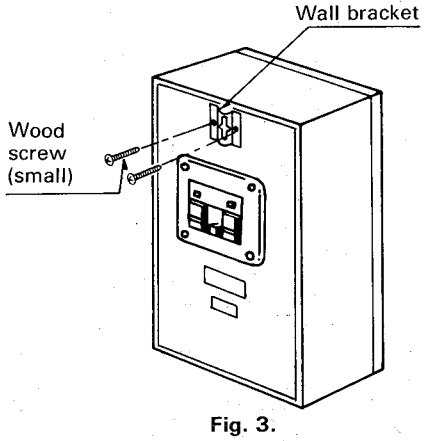


Fig. 3.

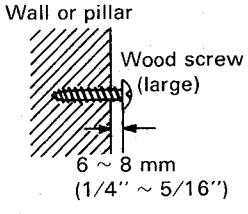
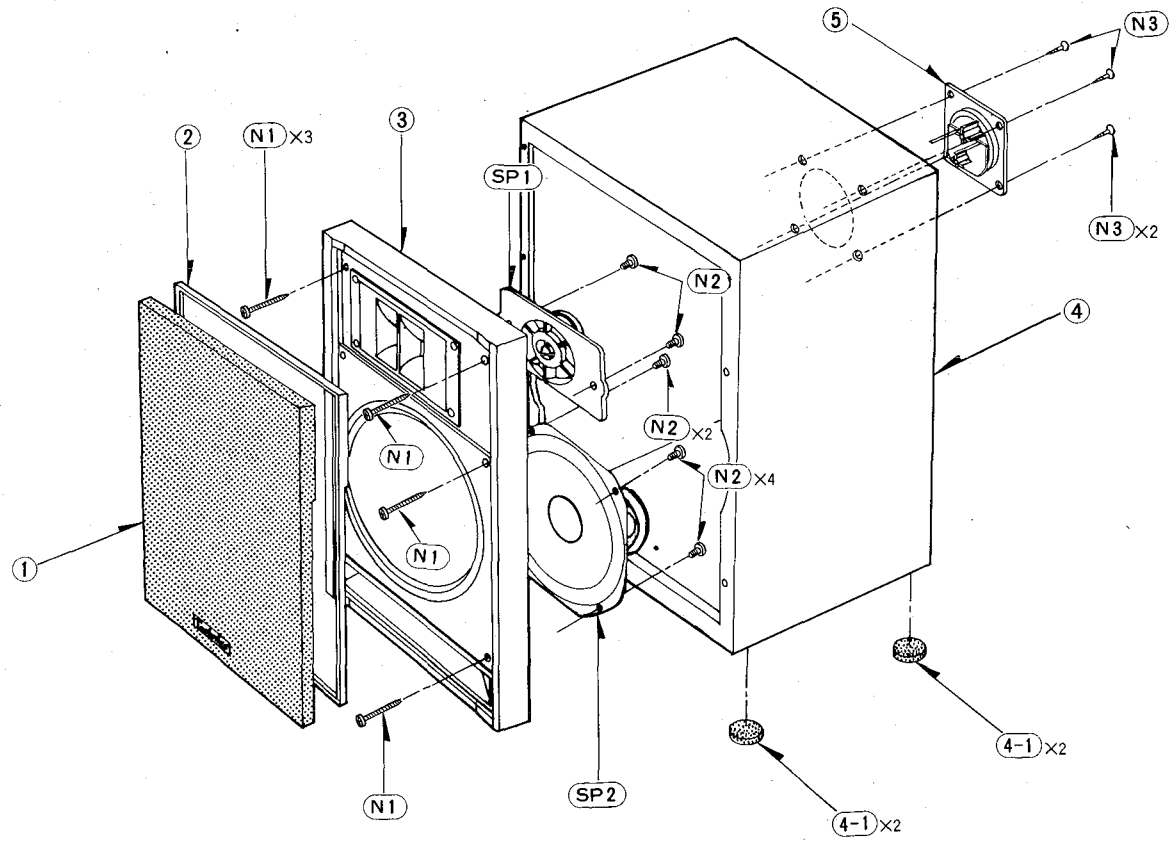


Fig. 4.

■ EXPLODED VIEW



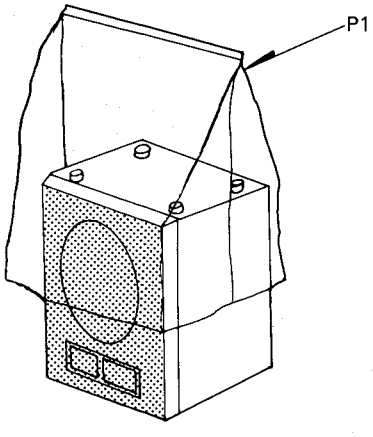
■ REPLACEMENT PARTS LIST

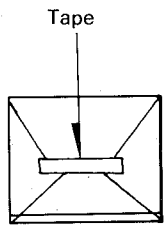
Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. The parenthesized numbers in columns of description stand for the quantity per set.
3. The Ⓢ mark is service standard parts and may differ from production parts.
4. Ⓚ marked parts are used for black type only, while ◯ -marked parts are for silver type only. Parts other than Ⓚ and ◯ -marked are used for both black and silver types.

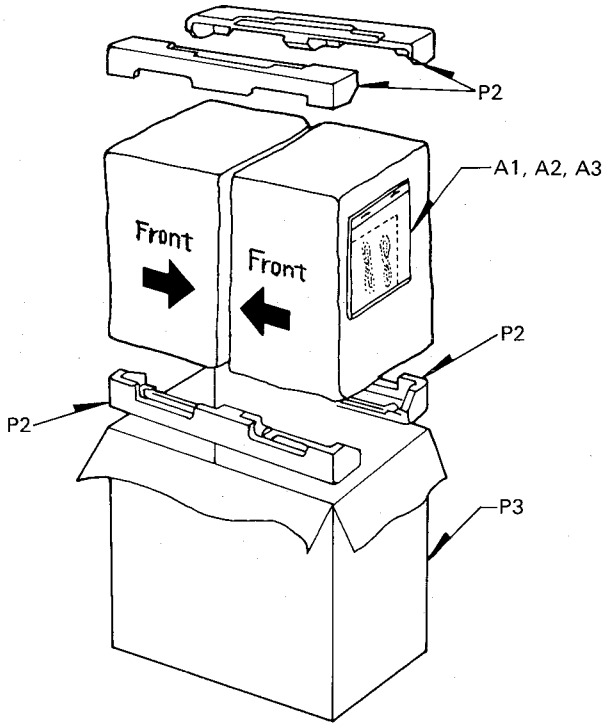
Ref. No.		Part No.	Part Name & Description
SPEAKERS			
SP1		EAS14HD05SC	Tweeter
SP2		EAS16PL33EK	Woofer
CAPACITOR			
C1		ECEA50Y2R2K	2.2μF, 50V
RESISTOR			
R1		ERF5ZXK4R7	4.7Ω, 5W

Ref. No.		Part No.	Part Name & Description	
CABINET PARTS				
1		SYES47	Net	(1)
2		SHGS9027	Spacer, Net	(1)
3	◯	SKMBF44-SE	Baffle (Silver)	(1)
3	Ⓚ	SKMBF44-KE	Baffle (Black)	(1)
4	◯	SKABF44-SE	Cabinet (Silver)	(1)
4	Ⓚ	SKABF44-KE	Cabinet (Black)	(1)
4-1		SHGS8001	Felt	(4)
5		SJFS5204	Terminal Board	(1)
SCREWS				
N1		XTB4+25AFZ	Screw, Baffle	(6)
N2		XTB4+10G	Screw, Tweeter, Woofer	(6)
N3		XMS31+D16FZ	Screw, Terminal Board	(4)

■ PACKING







Ref. No.		Part No.	Part Name & Description	
ACCESSORIES				
A1		SWXS214	Speaker Cord	(1)
A2		SPBS4001	Bracket & Screws, Ass'y	(1)
A3 other areas		SQFS319	Instruction Book	(1)
A3 [XA] only		SQFS320	Instruction Book	(1)
PACKING PARTS				
P1		XZB40X52B01	Polyethylene Bag	(1)
P2		SPSS1049-1	Pad, Corner	(2)
P3 [XA] only	Ⓞ	SPGS226-5	Carton Box (Silver Type)	(1)
P3 [EF] only	Ⓞ	SPGS226-9	Carton Box (Silver Type)	(1)
P3 other areas	Ⓞ	SPGS226-3	Carton Box (Silver Type)	(1)
P3 [XA] only	Ⓚ	SPGS226-6	Carton Box (Black Type)	(1)
P3 [EF] only	Ⓚ	SPGS226-10	Carton Box (Black Type)	(1)
P3 other areas	Ⓚ	SPGS226-4	Carton Box (Black Type)	(1)

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